

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Previously presented): A service offering apparatus for offering services associated with objects, comprising:

authentication information acquisition request receiving means for receiving an acquisition request from a first client apparatus, the acquisition request requesting an acquisition of authentication information used for establishing a session having a limited right with respect to said service offering apparatus and said objects;

authentication information transmitting means for transmitting the authentication information to said first client apparatus; and

session start request receiving means for receiving a start request for requesting a start of the session containing the authentication information from a second client apparatus different from said first client apparatus to which the authentication information is transmitted.

2. (Original): The service offering apparatus as claimed in claim 1, wherein the acquisition request of the authentication request contains a list of object identifiers for identifying said objects and a list of service identifiers for identifying services associated with said objects.

3. (Original): The service offering apparatus as claimed in claim 1, further comprising authentication information producing means for producing the authentication information in response to the acquisition request of the authentication information.

4. (Previously presented): The service offering apparatus as claimed in claim 2, further comprising authentication information managing means for managing the authentication information.

5. (Original): The service offering apparatus as claimed in claim 4, wherein said authentication information managing means manages the authentication information by relating with the list of the object identifiers for identifying said objects and the list of the service identifiers for identifying the services associated with said objects.

6. (Original): The service offering apparatus as claimed in claim 1, further comprising session producing means for producing the session in response to the start request of the session.

7. (Original): The service offering apparatus as claimed in claim 1, further comprising session managing means for managing the session.

8. (Original): The service offering apparatus as claimed in claim 7, wherein said session managing means manages the session by relating with the authentication information.

9. (Previously presented): The service offering apparatus as claimed in claim 1, further comprising session identifier transmitting means for transmitting a session identifier for identifying the session to said second client apparatus.

10. (Previously presented): The service offering apparatus as claimed in claim 1, further comprising use request receiving means for receiving a use request for requesting a

use of a service associated with said objects from said second client apparatus, the use request including a session identifier for identifying the session.

11. (Previously presented): The service offering apparatus as claimed in claim 1, further comprising service offering means for offering a service associated with said objects in response to a use request for requesting a use of a service associated with said objects from said second client apparatus, the use request including a session identifier for identifying the session.

12. (Original): The service offering apparatus as claimed in claim 1, wherein the service associated with said objects which is offered in the session is designated.

13. (Previously presented): A service offering method for offering services associated with objects, comprising:

an authentication information acquisition request receiving step of receiving an acquisition request from a first client apparatus, the acquisition request requesting an acquisition of authentication information used for establishing a session having a limited right with respect to said service offering apparatus and said objects;

an authentication information transmitting step of transmitting the authentication information to said first client apparatus; and

a session start request receiving step of receiving a start request for requesting a start of the session containing the authentication information from a second client apparatus different from said first client apparatus to which the authentication information is transmitted.

14. (Original): The service offering method as claimed in claim 13, wherein the acquisition request of the authentication request contains a list of object identifiers for identifying said objects and a list of service identifiers for identifying services associated with said objects.

15. (Original): The service offering method as claimed in claim 13, further comprising an authentication information producing step of producing the authentication information in response to the acquisition request of the authentication information.

16. (Previously presented): The service offering method as claimed in claim 14, further comprising an authentication information managing step of managing the authentication information.

17. (Original): The service offering method as claimed in claim 16, wherein said authentication information managing step manages the authentication information by relating with the list of the object identifiers for identifying said objects and the list of the service identifiers for identifying the services associated with said objects.

18. (Original): The service offering method as claimed in claim 13, further comprising a session producing step of producing the session in response to the start request of the session.

19. (Original): The service offering method as claimed in claim 13, further comprising a session managing step of managing the session.

20. (Original): The service offering method as claimed in claim 19, wherein said session managing step manages the session by relating with the authentication information.

21. (Previously presented): The service offering method as claimed in claim 13, further comprising a session identifier transmitting step of transmitting a session identifier for identifying the session to said second client apparatus.

22. (Previously presented): The service offering method as claimed in claim 13, further comprising a use request receiving step of receiving a use request for requesting a use of a service associated with said objects from said second client apparatus, the use request including a session identifier for identifying the session.

23. (Previously presented): The service offering method as claimed in claim 13, further comprising a service offering step of offering a service associated with said objects in response to a use request for requesting a use of a service associated with said objects from said second client apparatus, the use request including a session identifier for identifying the session.

24. (Original): The service offering method as claimed in claim 13, wherein the service associated with said objects which is offered in the session is designated.

25. (Previously presented): A processor readable tangible medium storing a service offering program for causing a computer to execute a service offering method for offering services associated with objects, the service offering method comprising:

an authentication information acquisition request receiving step of receiving an acquisition request from a first client apparatus, the acquisition request requesting an acquisition of authentication information used for establishing a session having a limited right with respect to said service offering apparatus and said objects;

an authentication information transmitting step of transmitting the authentication information to said first client apparatus; and

a session start request receiving step of receiving a start request for requesting a start of the session containing the authentication information from a second client apparatus different from said first client apparatus to which the authentication information is transmitted.

26. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the acquisition request of the authentication request contains a list of object identifiers for identifying said objects and a list of service identifiers for identifying services associated with said objects.

27. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises an authentication information producing step of producing the authentication information in response to the acquisition request of the authentication information.

28. (Previously presented): The processor readable tangible medium as claimed in claim 26, wherein the service offering method further comprises an authentication information managing step of managing the authentication information.

29. (Previously presented): The processor readable tangible medium as claimed in claim 28, wherein said authentication information managing step manages the authentication information by relating with the list of the object identifiers for identifying said objects and the list of the service identifiers for identifying the services associated with said objects.

30. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises a session producing step of producing the session in response to the start request of the session.

31. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises a session managing step of managing the session.

32. (Previously presented): The processor readable tangible medium as claimed in claim 31, wherein said session managing step manages the session by relating with the authentication information.

33. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises a session identifier transmitting step of transmitting a session identifier for identifying the session to said second client apparatus.

34. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises a use request receiving step of receiving a use request for requesting a use of a service associated with said objects from

said second client apparatus, the use request including a session identifier for identifying the session.

35. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service offering method further comprises a service offering step of offering a service associated with said objects in response to a use request for requesting a use of a service associated with said objects from said second client apparatus, the use request including a session identifier for identifying the session.

36. (Previously presented): The processor readable tangible medium as claimed in claim 25, wherein the service associated with said objects which is offered in the session is designated.

Claims 37-48 (Canceled).

49. (Currently amended): A service offering apparatus for offering services associated with objects, comprising:

session start request receiving means for receiving a start request from a first client apparatus, the start request requesting a start of a session with the service offering apparatus;

session identifier transmitting means for transmitting a session identifier for identifying the session to said first client ~~apparatus~~ apparatus; and

use request receiving means for receiving a use request for requesting a use of a service associated with said objects from a second client apparatus different from said first client apparatus to which the session identifier is transmitted, the use request including information regarding the session identifier.

50. (Original): The service offering apparatus as claimed in claim 49, further comprising session producing means for producing the session in response to the start request of the session.

51. (Original): The service offering apparatus as claimed in claim 49, further comprising session managing means for managing the session.

52. (Original): The service offering apparatus as claimed in claim 49, further comprising service offering means for offering the service associated with said objects in response to use request of the service associated with said objects, the use request containing the information regarding the session identifier.

53. (Original): The service offering apparatus as claimed in claim 49, wherein the information regarding the session identifier includes the session identifier and an object identifier for identifying said objects.

54. (Original): The service offering apparatus as claimed in claim 49, wherein the information regarding the session identifier includes the session identifier and a service identifier for identifying a service associated with said objects.

55. (Original): The service offering apparatus as claimed in claim 49, wherein the information regarding the session identifier is encrypted by a public key.

56. (Original): The service offering apparatus as claimed in claim 49, further comprising public key providing means for providing a public key in response to an acquisition request for requesting an acquisition of the public key.

57. (Original): The service offering apparatus as claimed in claim 49, wherein the information regarding the session identifier is encrypted by a common key common to the service offering apparatus.

58. (Original): The service offering apparatus as claimed in claim 49, further comprising session identifier processing means for processing the session identifier.

59. (Original): The service offering apparatus as claimed in claim 58, further comprising encrypting means for encrypting the session identifier processed by said session identifier processing means.

60. (Previously presented): A service offering method for offering services associated with objects, comprising:

a step of receiving a start request from a first client apparatus, the start request requesting a start of a session with the service offering apparatus;

a step of transmitting a session identifier for identifying the session to said first client apparatus; and

a step of receiving a use request for requesting a use of a service associated with said objects from a second client apparatus different from said first client apparatus to which the session identifier is transmitted, the use request including information regarding the session identifier.

61. (Original): The service offering method as claimed in claim 60, further comprising a step of producing the session in response to the start request of the session.

62. (Original): The service offering method as claimed in claim 60, further comprising a step of managing the session.

63. (Original): The service offering method as claimed in claim 60, further comprising a step of offering the service associated with said objects in response to use request of the service associated with said objects, the use request containing the information regarding the session identifier.

64. (Original): The service offering method as claimed in claim 60, wherein the information regarding the session identifier includes the session identifier and an object identifier for identifying said objects.

65. (Original): The service offering method as claimed in claim 60, wherein the information regarding the session identifier includes the session identifier and a service identifier for identifying a service associated with said objects.

66. (Original): The service offering method as claimed in claim 60, wherein the information regarding the session identifier is encrypted by a public key.

67. (Original): The service offering method as claimed in claim 60, further comprising a step of providing a public key in response to an acquisition request for requesting an acquisition of the public key.

68. (Original): The service offering method as claimed in claim 60, wherein the information regarding the session identifier is encrypted by a common key common to the service offering apparatus.

69. (Original): The service offering method as claimed in claim 60, further comprising a step of processing the session identifier.

70. (Original): The service offering method as claimed in claim 69, further comprising a step of encrypting the session identifier processed by said session identifier processing means.

71. (Previously presented): A processor readable tangible medium storing a service offering program for causing a computer to execute a service offering method for offering services associated with objects, the service offering method comprising:

a step of receiving a start request from a first client apparatus, the start request requesting a start of a session with the service offering apparatus;

a step of transmitting a session identifier for identifying the session to said first client apparatus; and

a step of receiving a use request for requesting a use of a service associated with said objects from a second client apparatus different from said first client apparatus to which the

session identifier is transmitted, the use request including information regarding the session identifier.

72. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the service offering method further comprises a step of producing the session in response to the start request of the session.

73. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the service offering method further comprises a step of managing the session.

74. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the service offering method further comprises a step of offering the service associated with said objects in response to use request of the service associated with said objects, the use request containing the information regarding the session identifier.

75. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the information regarding the session identifier includes the session identifier and an object identifier for identifying said objects.

76. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the information regarding the session identifier includes the session identifier and a service identifier for identifying a service associated with said objects.

77. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the information regarding the session identifier is encrypted by a public key.

78. (Previously presented): The processor readable tangible medium as claimed in claim 71, the service offering method further comprises a step of providing a public key in response to an acquisition request for requesting an acquisition of the public key.

79. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the information regarding the session identifier is encrypted by a common key common to the service offering apparatus.

80. (Previously presented): The processor readable tangible medium as claimed in claim 71, wherein the service offering method further comprises a step of processing the session identifier.

81. (Previously presented): The processor readable tangible medium as claimed in claim 80, wherein the service offering method further comprises a step of encrypting the session identifier processed by said session identifier processing means.

Claims 82-92 (Canceled).